

AS81659/71

FEDERAL SUPPLY CLASS
5935

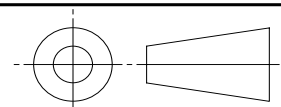
NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-C-81659/71 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-C-81659/71. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-81659

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTORS, ELECTRICAL, RECTANGULAR, RECEPTACLE,
CRIMP CONTACTS, (DUAL INSERT, TYPE IV, CLASS 1,
(-65°C TO +125°C), SERIES 2, SHELL DESIGNATOR A,
CLINCH NUT MOUNT)

AS81659/71
SHEET 1 OF 4

Copyright 2004 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

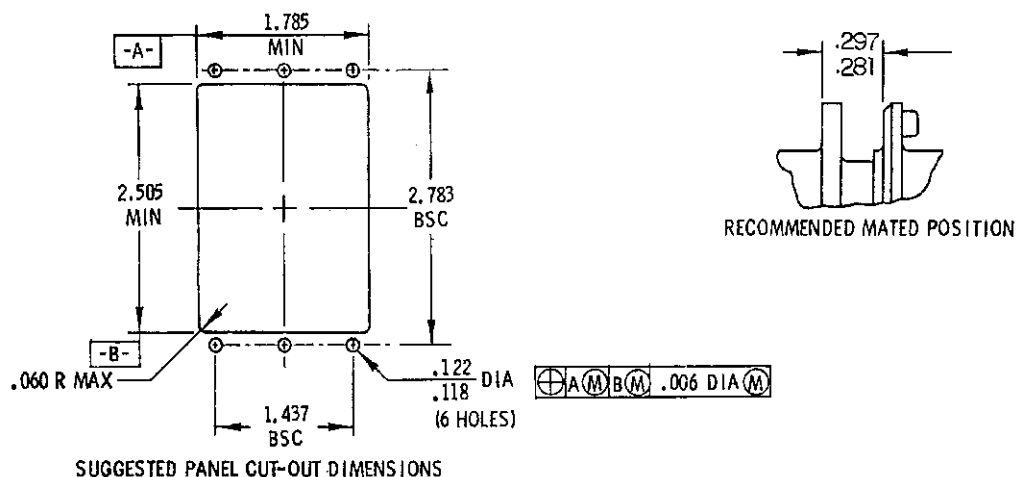
TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: 724-776-4970 (outside USA)
Email: custsvc@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

ISSUED 2004-05

FOR CONNECTOR DRAWING SEE PAGE 2.



INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.006	.15	.117	2.97	.521	13.23	1.3915	35.34	2.015	51.18
.040	1.02	.118	3.00	.541	13.74	1.427	36.25	2.250	57.15
.047	1.19	.122	3.10	.7185	18.25	1.437	36.50	2.485	63.12
.050	1.27	.133	3.38	.928	23.57	1.447	36.75	2.505	63.63
.055	1.40	.178	4.52	.948	24.08	1.725	43.82	2.783	170.69
.060	1.52	.198	5.03	1.326	33.68	1.765	44.83	3.060	77.72
.065	1.65	.281	7.14	1.367	34.72	1.785	45.34	3.090	78.49
.093	2.36	.297	7.54	1.387	35.23	1.985	50.42		

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
3. DIMENSIONS APPLY AFTER PLATING.
4. NORMAL (01) POLARIZATION POSITION SHOWN. FOR ALTERNATE POSITIONS SEE MIL-C-81659.
5. FOR LOCATION OF DATUMS G AND H REFER TO MIL-C-81659, FIGURE 7.
6. THIS CONNECTOR DOES NOT HAVE A WIRE SEALING GROMMET.

REQUIREMENTS:

INSERT ARRANGEMENTS SHALL BE IN ACCORDANCE WITH MS3157.

CONTACTS SHALL BE IN ACCORDANCE WITH MIL-C-39029/11 OR MIL-C-39029/12 AS APPLICABLE.

INSTALLING AND REMOVAL TOOLS SHALL BE IN ACCORDANCE WITH MS3156 OR MS3447.